

MCF GROTON

MCF Communications, Inc.

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733 TURNPIKE STREET, SUITE 105
NORTH ANDOVER, MA 01845
OFFICE: (978) 687-2536
FAX: (978) 258-8850

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CHIA

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Main: (860) 257-4557 • www.cloughharbour.com

CHA PROJECT NO:
14957 - 1004 - 1601

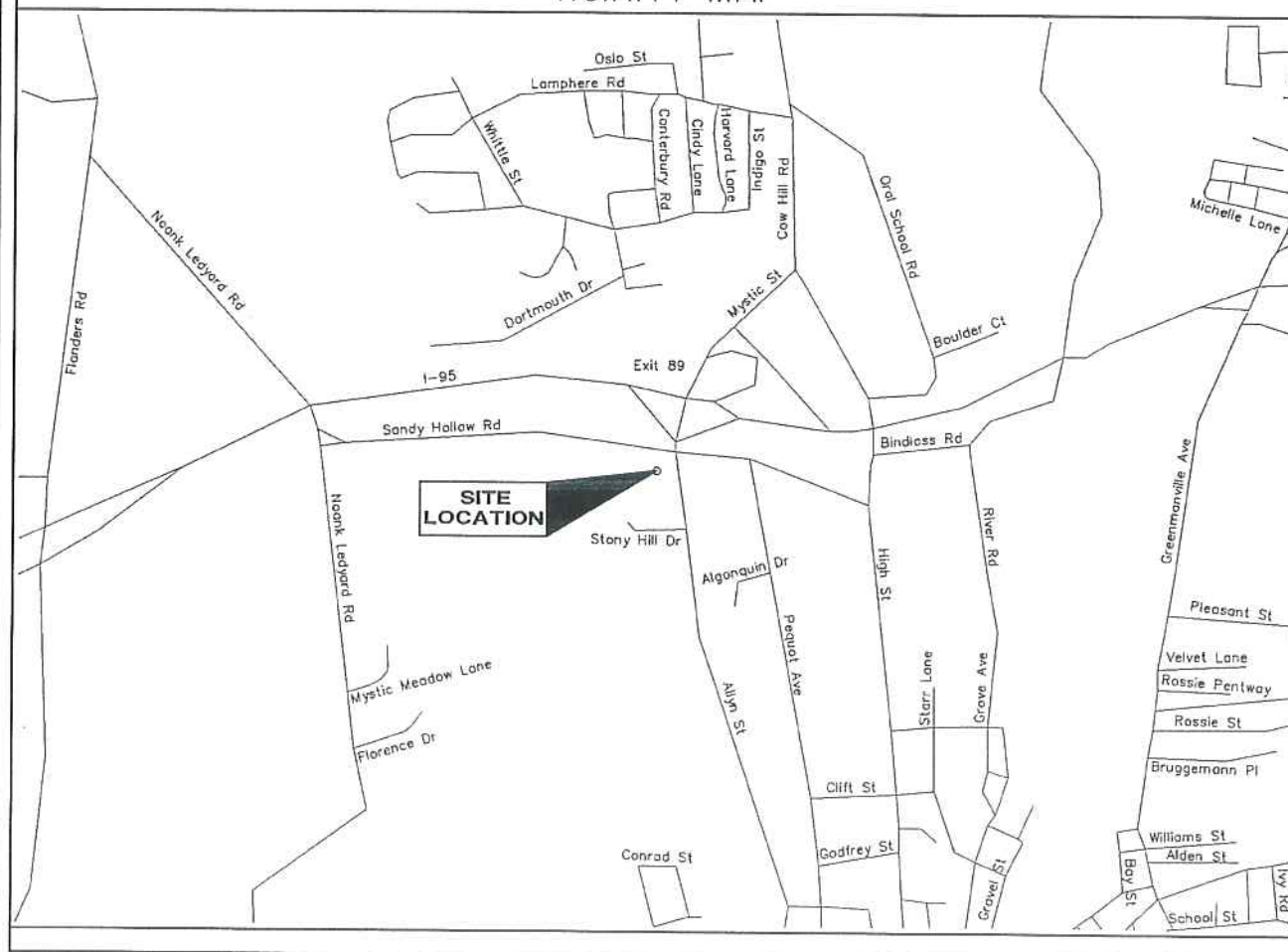
PROJECT SUMMARY

SITE NAME:	MCF GROTON
SITE ADDRESS:	237 SANDY HOLLOW ROAD GROTON, CT 06355
PROPERTY OWNER:	MYSTIC RIVER AMBULANCE ASSOCIATION PO BOX 64 MYSTIC, CT 06388
APPLICANT:	MCF COMMUNICATIONS, INC. 733 TURNPIKE STREET, SUITE 105 NORTH ANDOVER, MA 01845
CONTACT:	MICHAEL MCFADDEN (978) 687-2536
ZC COORDINATES:	41° 22' 09.4"N 71° 58' 56.7"W
HORIZONTAL DATUM:	NAD 83
GROUND ELEVATION:	122' AMSL
DEED REFERENCE:	BOOK 518, PAGE 656
TAX M-B-L:	261909-06-5371
CURRENT ZONING:	RS-20
ENGINEER:	CLOUGH HARBOUR & ASSOCIATES LLP 2139 SILAS DEANE HIGHWAY SUITE 212 ROCKY HILL, CT 06067
CONTACT:	PAUL LUSITANI (860) 257-4557

DRIVING DIRECTIONS

FROM I-95 SOUTH:
-TAKE EXIT 89 TOWARD ALLYN ST./NOANK/GROTON LONG PT.
-TURN LEFT ON MYSTIC ST.
-STAY STRAIGHT TO GO ONTO ALLYN ST.
-TURN RIGHT ON SANDY HOLLOW RD.
-DRIVEWAY TO SITE IS FIRST LEFT.

VICINITY MAP



APRIL 2008

DEVELOPMENT & MANAGEMENT PLANS - NOT FOR CONSTRUCTION

SHEET INDEX

[illegible]

DO NOT SCALE
DRAWINGS

CONTRACTOR SHALL VERIFY
ALL PLANS & EXISTING
DIMENSIONS & CONDITIONS ON
THE JOB SITE & SHALL
IMMEDIATELY NOTIFY THE
ENGINEER IN WRITING OF ANY
DISCREPANCIES BEFORE
PROCEEDING WITH THE WORK
OR BE RESPONSIBLE FOR
SAME

[illegible]

IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SITE NAME:
MCF GROTON

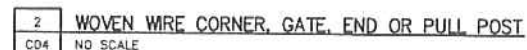
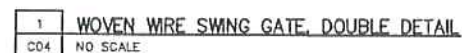
SITE ADDRESS:
237 SANDY HOLLOW RD
GROTON, CT
06355
NEW LONDON COUNTY

SHEET TITLE
TITLE SHEET

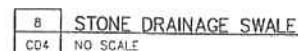
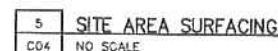
SHEET NUMBER

T01

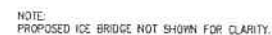
1. MAP ENTITLED "BOUNDARY SURVEY, MYSTIC RIVER AMBULANCE ASSOC., INC." AS PREPARED BY WAYNE M. CHIAPPERINI DATED 1-9-91 AND LAST REVISED 4-10-91.



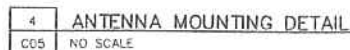
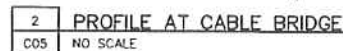
-
- 4 SILT FENCE DETAIL
- WATER FLOW
- STAPLE THROUGH NYLON WASHER, 2 PER STAKE SUPAC OR MIRAFIL FILTER FABRIC
- 2x4 STAKE 5' O.C.
- 1'-0"
- BACKFILL AND COMPACT SOIL OVER FABRIC
- 6" X 12" DEEP TRENCH
- EXISTING GROUND
- 2'-0"
- EMBED FILTER FABRIC INTO GROUND 12"



C04



3	EQUIPMENT ELEVATION
C05	NO SCALE



1. DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, AWS/AISC/DA/124-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA SUPPORTING STRUCTURES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER.
3. DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
4. STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
5. STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE A, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
6. STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 5/8" DIA UNLESS OTHERWISE NOTED.
7. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
8. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
9. FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780 GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
10. CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND DILL WHERE FIELD WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 8TH EDITION.
11. INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
12. UNISTRUTS SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP. WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x12GA, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
13. EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF 1/2" DIAMETER STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS, AN INTERNALLY THREADED INSERT, A SCREEN REBAR AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HULTI-HIT HY-20 AND OR HY-150 SYSTEMS (AS SPECIFIED ON DWG.) OR ENGINEERS APPROVED EQUAL WITH 4-1/4" MIN. EMBEDMENT DEPTH, UNLESS NOTED OTHERWISE.
14. EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-5-325, GROUP B, TYPE 4, CLASS I, HULTI KWIK BOLT II OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE THREE AND ONE HALF (3 1/2) INCHES.
15. GRAVEL SUB BASE AND CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL.
16. CONCRETE FOR FENCE AND ICE BRIDGE SUPPORT SHALL BE 3000 PSI AIR ENTRAINED (4%-6%) NORMAL WEIGHT CONCRETE.
17. ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND ACI 301.
18. THE FOLLOWING MINIMUM CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH	3 INCHES
CONCRETE EXPOSED TO EARTH OR WATER	
16 AND LARGER	2 INCHES
16 AND SMALLER	1 1/2 INCHES
19. ALL EXPOSED EDGES SHALL BE PROVIDED WITH A 3/4"x3/4" CHAMFER UNLESS OTHERWISE NOTED.
19. LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.

C05